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From-Norris McLaughlin & Marcus

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## FACSIMILE COVER SHEET

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MAR 10 2004

**Date:** March 2004

**To:** Examiner Bernadette Queen  
US Patent and Trademark Office  
Tel. 703-306-0275  
Fax: 703-872-9306

**Subject:** USSN: 10/697,527  
Our Ref.: 101195-4

**From:**

**Comments:** Re-faxing pgs.4-12 of a Sequence Listing as per Examiner Queen request.

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WMS Number	WMS Primer Left	WMS Primer Right	Length (bp in "cs")	Repeat Type	Annealing Temperature
WMS052	5' CTA TGA GGC GGA GGT TGA AG 3' (SEQ. ID NO. 1)	5' TCC GGT GCT CTT CCA TTT 3' (SEQ. ID NO. 2)	130	GTImp	60 °C
WMS055	5' CCA TCT GGT ACA CTA GCT GCC 3' (SEQ. ID NO. 3)	5' TCA TGG ATG CAT CAC ATC CT 3' (SEQ. ID NO. 4)	127	CTImp	60 °C
WMS057	5' TCG ATT CTG AAA GGT TCA TCG 3' (SEQ. ID NO. 5)	5' CGA TCA AGT AGT TGA AAG CCG 3' (SEQ. ID NO. 6)	224	AAAAImp	60 °C
WMS058	5' TCT GAT CCC GTG AGT GTA ACA 3' (SEQ. ID NO. 7)	5' GAA AAA AAT TGC ATA TGA GCC C 3' (SEQ. ID NO. 8)	118	CA	60 °C
WMS060	5' TGT CCT ACA CGG ACC ACG T 3' (SEQ. ID NO. 9)	5' GCA TTG ACA GAT GCA CAC G 3' (SEQ. ID NO. 10)	211	CA	60 °C
WMS063	5' TCG ACC TGA TCG CCC CTA 3' (SEQ. ID NO. 11)	5' CCG CCT GGG TGA TGA ATA GT 3' (SEQ. ID NO. 12)	271	GAA,CA,TA	60 °C
WMS067	5' ACC ACA CAA ACA AGG TAA GCG 3' (SEQ. ID NO. 13)	5' CAA CCG TCT TAA TTT TGT TGG G 3' (SEQ. ID NO. 14)	85	CA	60 °C
WMS068	5' AGG CCA GAA TCT GGG AAT G 3' (SEQ. ID NO. 15)	5' CTC CCT AGA TGG DAG AAG GG 3' (SEQ. ID NO. 16)	182	GA	60 °C
WMS070	5' AGT GGC TGG GAG AGT CTC AT 3' (SEQ. ID NO. 17)	5' GCC CAT TAC CGA GGA CAC 3' (SEQ. ID NO. 18)	194	CT	60 °C
WMS071	5' GGC AGA GCA GCG AGA CTC 3' (SEQ. ID NO. 19)	5' CAA GTG GAG CAT TAG GTA CAC G 3' (SEQ. ID NO. 20)	128	CT	60 °C
WMS077	5' ACA AAG GTA AGC AGC ACC TG 3' (SEQ. ID NO. 21)	5' ACC CTC TTG CCC GTG TTG 3' (SEQ. ID NO. 22)	153	CA,GA	55 °C
WMS082	5' ACG TTA GAA GGT GCA ATG GG 3' (SEQ. ID NO. 23)	5' AGT GGA TGC ACC GAC TTT G 3' (SEQ. ID NO. 24)	152	GT,GAImp	60 °C
WMS088	5' CAC TAC AAC TAT GCG CTC GC 3' (SEQ. ID NO. 25)	5' TCC ATT GGC TTC TCT CTC AA 3' (SEQ. ID NO. 26)	121	CT	60 °C
WMS095	5' GAT CAA ACA CAC ACC CCT CC 3' (SEQ. ID NO. 27)	5' AAT GCA AAG TGA AAA ACC CG 3' (SEQ. ID NO. 28)	121	CA	60 °C
WMS099	5' AAG ATG GAC GTA TGC ATC ACA 3' (SEQ. ID NO. 29)	5' GCC ATA TTT GAT GAC GCA TA 3' (SEQ. ID NO. 30)	119	CA	60 °C
WMS102	5' TCT CCC ATC CAA CGC CTC 3' (SEQ. ID NO. 31)	5' TGT TGG TGG CTT GAC TAT TG 3' (SEQ. ID NO. 32)	143	CT	60 °C
WMS106	5' CTG TTC TTG CCG ATT AA 3' (SEQ. ID NO. 33)	5' AAT AAG GAC ACA ATT GGG ATG G 3' (SEQ. ID NO. 34)	139	GA	60 °C
WMS107	5' ATT AAT ACC TGA GGG AGG TGC 3' (SEQ. ID NO. 35)	5' GGT CTC AGG AGC AAG AAC AC 3' (SEQ. ID NO. 36)	195	CT	60 °C
WMS108	5' CGA CAA TGG GGT CTT AGC AT 3' (SEQ. ID NO. 37)	5' TGC ACA CTT AAA TTA CAT CCG C 3' (SEQ. ID NO. 38)	132	GTImp	60 °C
WMS111	5' TCT GTA GGC TCT CTC CGA CTG 3' (SEQ. ID NO. 39)	5' ACC TGA TCA GAT CCC ACT CG 3' (SEQ. ID NO. 40)	205	CT,GT	55 °C
WMS112	5' CTA AAC ACG ACA GCG GTG G 3' (SEQ. ID NO. 41)	5' GAT ATG TGA GCA GCG GTC AG 3' (SEQ. ID NO. 42)	101	CTImp	55 °C
WMS113	5' ATT CGA GGT TAG GAG GAA GAG G 3' (SEQ. ID NO. 43)	5' GAG GGT CCG CCT ATA AGA CC 3' (SEQ. ID NO. 44)	148	CT	60 °C
WMS114	5' ACA AAC AGA AAA TCA AAA CCC G 3' (SEQ. ID NO. 45)	5' ATC CAT CGC CAT TGG AGT G 3' (SEQ. ID NO. 46)	266	GA	60 °C
			(177)		
WMS118	5' GAT GTT GCC ACT TGA GCA TG 3' (SEQ. ID NO. 47)	5' GAT TAG TCA AAT GGA ACA CCC C 3' (SEQ. ID NO. 48)	110	CA	60 °C
WMS119	5' TGA CTA ACA TCG TTT GTC ACG C 3' (SEQ. ID NO. 49)	5' CAT GTC TCA ACC ACC CAC AG 3' (SEQ. ID NO. 50)	181	GTImp	55 °C

WMS129 5' GAT CCA CCT TCC TCT CTC TC 3' (SEQ. ID NO. 51)  
WMS121 5' TCC TCT ACA AAC AAA CAC AC 3' (SEQ. ID NO. 53)  
WMS122 5' GGG TGG GAG AAA GGA GAT G 3' (SEQ. ID NO. 55)  
WMS124 5' GGC ATG GCT ATC ACC CAG 3' (SEQ. ID NO. 57)  
WMS126 5' CAC ACC CTC CAC CAT GAC 3' (SEQ. ID NO. 59)  
WMS128 5' AGC ACA TTT TAA CAC ACA TA 3' (SEQ. ID NO. 61)  
WMS129 5' TCA GTG GGC AAG CTA CAC AG 3' (SEQ. ID NO. 63)  
WMS130 5' ACC TCT GCT TCA CGA GGA AG 3' (SEQ. ID NO. 65)  
WMS131 5' AAT CCC CAC CGA TTC TTC TC 3' (SEQ. ID NO. 67)  
WMS132 5' TAC CAA ATC GAA ACA CAT CAG G 3' (SEQ. ID NO. 69)  
WMS133 5' ATC TAA ACA AGA CGG CGG TG 3' (SEQ. ID NO. 71)  
WMS134 5' CAT GGA ACT TAG ACA GAA TTG 3' (SEQ. ID NO. 73)  
WMS135 5' TGT CAA CAT GGT TTT GAA AAG G 3' (SEQ. ID NO. 75)  
WMS136 5' GAC AGC ACC TTG CCC TTT G 3' (SEQ. ID NO. 77)  
WMS140 5' ATG GAG ATA TTT GGC CTA CAA C 3' (SEQ. ID NO. 79)  
WMS144 5' TTT GCT GTG GTA CGA AAC ATA C 3' (SEQ. ID NO. 81)  
WMS146 5' CCA AAA AAA CTG CCT GCA TG 3' (SEQ. ID NO. 83)  
WMS148 5' GTG AGG CAG CAA GAG AGA AA 3' (SEQ. ID NO. 85)  
WMS149 5' CAT TGT TTT CTG CCT CTA GCC 3' (SEQ. ID NO. 87)  
WMS153 5' GAT CTC CTC ACC CGG AAT TC 3' (SEQ. ID NO. 89)  
WMS154 5' TCA CAG AGA GAG AGG GAG GG 3' (SEQ. ID NO. 91)  
WMS155 5' CAA TCA TTT CCC CCT CCC 3' (SEQ. ID NO. 93)  
WMS156 5' CCA ACC GTG CTA TTA GTC ATT C 3' (SEQ. ID NO. 95)  
WMS157 5' GTC CTC GCG GTA ACC TTG 3' (SEQ. ID NO. 97)  
WMS159 5' GGG CCA ACA CTG GAA CAC 3' (SEQ. ID NO. 99)  
WMS160 5' TTC AAT TCA GTC TTG GCT TGG 3' (SEQ. ID NO. 101)  
WMS161 5' GAT CGA GTG ATG GCA GAT GG 3' (SEQ. ID NO. 103)  
WMS162 5' AGT GGA TCG ACA AGG CTC TG 3' (SEQ. ID NO. 105)

5' GAT TAT ACT GGT GGC GAA AC 3' (SEQ. ID NO. 52)  
5' CTC GCA ACT AGA GGT GTA TG 3' (SEQ. ID NO. 54)  
5' AAA CCA TCC TCC ATC CTG G 3' (SEQ. ID NO. 56)  
5' ACT GTT CCG TGC AAT TTG AG 3' (SEQ. ID NO. 58)  
5' GTT GAG TTG ATG CCG GAG G 3' (SEQ. ID NO. 60)  
5' ATC TGT GAA ATT TTG AAA AC 3' (SEQ. ID NO. 62)  
5' AAA ACT TAG TAG CCG CGT 3' (SEQ. ID NO. 64)  
5' CTC CTC TTT ATA TCG CGT CCG 3' (SEQ. ID NO. 66)  
5' AGT TCG TGG GTC TCT GAT GG 3' (SEQ. ID NO. 68)  
5' CAT ATC AAG GTC TCC TTC CCG 3' (SEQ. ID NO. 70)  
5' ATC TGT GAC AAC CGG TGA GA 3' (SEQ. ID NO. 72)  
5' CAG TAC TTG GTA CTG AAC AGG 3' (SEQ. ID NO. 74)  
5' ACA CTG TCA ACC TGG CAA TG 3' (SEQ. ID NO. 76)  
5' CAT CCG CAA CAT GCT CAT C 3' (SEQ. ID NO. 78)  
5' CTT GAC TTC AAG GCG TGA CA 3' (SEQ. ID NO. 80)  
5' ACT CAC AAA TGT CTA ATA AAA C 3' (SEQ. ID NO. 82)  
5' CTC TGG CAT TCC TCC TTG G 3' (SEQ. ID NO. 84)  
5' CAA AGC TTG ACT CAG ACC AAA 3' (SEQ. ID NO. 86)  
5' CTA GCA TCG AAC CTG AAC AGG 3' (SEQ. ID NO. 88)  
5' TGG TAG AGA AGG AGG GAG AG 3' (SEQ. ID NO. 90)  
5' ATG TGT ACA TGT TCC CTG CA 3' (SEQ. ID NO. 92)  
5' AAT CAT TGG AAA TCC ATA TGC C 3' (SEQ. ID NO. 94)  
5' CAA TGC AGG CCC TCC TAA C 3' (SEQ. ID NO. 96)  
5' GAG TGA ACA CAC GAG GCT TG 3' (SEQ. ID NO. 98)  
5' CCA GAA GCT TGT TGG TAG GC 3' (SEQ. ID NO. 100)  
5' CTG CAG GAA AAA AAG TAC ACC C 3' (SEQ. ID NO. 102)  
5' TGT GAA TTA CTT GGA CTT GG 3' (SEQ. ID NO. 104)  
5' AGA AGA AGC AAA GCG TTC CC 3' (SEQ. ID NO. 106)

139 CT,CA 55 °C  
143 CA 50 °C  
149 CT,CA 60 °C  
213 CT,CTimp 60 °C  
196 CA 60 °C  
176 CA 50 °C  
221 CTimp 55 °C  
113 GT 60 °C  
131 CT 60 °C  
119 GA,GAA 60 °C  
118 CT 60 °C  
111 CA 60 °C  
143 GA 55 °C  
206 CT 60 °C  
231 CT 55 °C  
289 GT 50 °C  
162 GAtimp 60 °C  
163 CA 60 °C  
161 GA 55 °C  
188 GA 60 °C  
102 GA 55 °C  
141 CT 60 °C  
277 GT 60 °C  
106 CT 60 °C  
192 GT 60 °C  
184 GA 60 °C  
154 CT 60 °C  
208 CA 60 °C

WMS163	5' ACC TCG ACA GAC CTG GTA CG 3'	(SEQ. ID NO. 107)	5' GTC TTT GTC ACC CGA TGG AC 3'	(SEQ. ID NO. 108)	127	CT	35.55
WMS164	5' ACA TTT CTC CCC CAT CGT C 3'	(SEQ. ID NO. 109)	5' TTG TAA ACA AAT CGC ATG CG 3'	(SEQ. ID NO. 110)	120	CT	35.55
WMS165	5' TGC AGT GGT CAG ATG TTT CC 3'	(SEQ. ID NO. 111)	5' CTT TTC TTT CAG ATT GCG CC 3'	(SEQ. ID NO. 112)	199	GA	60.60
WMS169	5' ACC ACT GCA GAG AAC ACA TAC G 3'	(SEQ. ID NO. 113)	5' GTG CTC TGC TCT AAG TGT GGG 3'	(SEQ. ID NO. 114)	196	GA	60.60
WMS174	5' GGG TTC CTA TCT GGT AAA TCC C 3'	(SEQ. ID NO. 115)	5' GAC ACA CAT GTT OCT GGC AC 3'	(SEQ. ID NO. 116)	173	CT	35.55
WMS179	5' AAG TTG AGT TGA TGC GGG AG 3'	(SEQ. ID NO. 117)	5' CCA TGA CCA GCA TCC ACT C 3'	(SEQ. ID NO. 118)	181	GT	35.55
WMS180	5' ATC CCC CTA AGG AAT AGT GT 3'	(SEQ. ID NO. 119)	5' GAT CGC ACG GGA GAG AGA G 3'	(SEQ. ID NO. 120)	84	CT	30.30
WMS181	5' TCA TTG GTA ATG AGG AGA GA 3'	(SEQ. ID NO. 121)	5' GAA CCA TTC ATG TGC ATG TC 3'	(SEQ. ID NO. 122)	135	GA	50.50
WMS182	5' TGA TGT AGT GAG CCC ATA GGC 3'	(SEQ. ID NO. 123)	5' TTG CAC ACA GCC AAA TAA GG 3'	(SEQ. ID NO. 124)	165	CT	60.60
WMS186	5' GCA GAG CCT GGT TCA AAA AG 3'	(SEQ. ID NO. 125)	5' CGC CTC TAG CGA GAG CTA TG 3'	(SEQ. ID NO. 126)	140	GA	60.60
WMS189	5' AGG AGC AGC GGA ACG AAC 3'	(SEQ. ID NO. 127)	5' AOA AAT ACG GAA ACC CAC CC 3'	(SEQ. ID NO. 128)	117	CA	55.55
WMS190	5' DTG CTT GCT GAG CTA TGA GTC 3'	(SEQ. ID NO. 129)	5' GTG CCA CGT GGT ACC TTT G 3'	(SEQ. ID NO. 130)	>201	CT,GT	60.60
WMS191	5' AGA CTG TTG TTT GCG GGC 3'	(SEQ. ID NO. 131)	5' TAG CAC GAC AGT TGT ATG CAT G 3'	(SEQ. ID NO. 132)	128	CT	60.60
WMS192	5' DGT TTT CTT TCA GAT TGC GC 3'	(SEQ. ID NO. 133)	5' CGT TGT CTA ATC TTG CCT TGC 3'	(SEQ. ID NO. 134)	191	CT	60.60
WMS193	5' CTT TGT GCA CCT CTC TCT CC 3'	(SEQ. ID NO. 135)	5' AAT TGT GTT GAT GAT TTG GGG 3'	(SEQ. ID NO. 136)	171	CT,CA	50.50
WMS194	5' GAT CTG CTC TAC TCT CCT CC 3'	(SEQ. ID NO. 137)	5' CGA CCC AGA ACT TAA ACA AG 3'	(SEQ. ID NO. 138)	131	CT	60.60
WMS195	5' AGG TGC CGT CGC GTC TAC 3'	(SEQ. ID NO. 139)	5' ACC CCC CAC GTC AGA GAG 3'	(SEQ. ID NO. 140)	108	CT	60.60
WMS197	5' GAG AAA GAG GTC TGG AGG TCG 3'	(SEQ. ID NO. 141)	5' CAA AAT GCA CAA GAA TGG AGG 3'	(SEQ. ID NO. 142)	126	CT	60.60
WMS198	5' TTG AAC CGG AAG GAG TAC AG 3'	(SEQ. ID NO. 143)	5' TCA GTT TAT TTT GGG CAT GTG 3'	(SEQ. ID NO. 144)	130	CA	60.60
WMS200	5' TCA ACG GAA CAG ATG AGC G 3'	(SEQ. ID NO. 145)	5' GAC CTG ATG AGA GCA AGC AC 3'	(SEQ. ID NO. 146)	236	CT	60.60
WMS201	5' CCC AAA GCA GCG CAA GC 3'	(SEQ. ID NO. 147)	5' ACC AAT GCT ATC GGC TCG 3'	(SEQ. ID NO. 148)	139	CA,GA	55.55
WMS205	5' CGA CCC GGT TCA CTT CAG 3'	(SEQ. ID NO. 149)	5' AGT CGC CGT TGT ATA GTG CC 3'	(SEQ. ID NO. 150)	152	CT	60.60
WMS210	5' TGC ATC AAG AAT AGT GTG GAA G 3'	(SEQ. ID NO. 151)	5' TGA GAG GAA GGC TCA CAC CT 3'	(SEQ. ID NO. 152)	192	GA	60.60
WMS212	5' AAG CAA CAT TTG CTG CAA TG 3'	(SEQ. ID NO. 153)	5' TGC AGT TAA CTT GTT GAA AGG A 3'	(SEQ. ID NO. 154)	104	CT	60.60
WMS213	5' TGC CTC OCT CGT TCT ATC TC 3'	(SEQ. ID NO. 155)	5' CTA GCT TAG CAC TGT CGC CC 3'	(SEQ. ID NO. 156)	184	GA	60.60
WMS218	5' CGG CAA ACG GAT ATC GAC 3'	(SEQ. ID NO. 157)	5' AAC AGT AAC TCT CCG CAT AGC C 3'	(SEQ. ID NO. 158)	149	CT	60.60
WMS219	5' GAT GAG CGA CAC CTA GGC TC 3'	(SEQ. ID NO. 159)	5' GGG GTC CGA GTC CAC AAC 3'	(SEQ. ID NO. 160)	181	CA,mp	60.60
WMS224	5' TGA GTC CAG CAC TGC TGC 3'	(SEQ. ID NO. 161)	5' CAA CAT CCG CTC GTA TTC AA 3'	(SEQ. ID NO. 162)	142	CT	50.50

WMS228	5' TCA TAT GCA CCT CTT TCC TAG G 3'	(SEQ. ID NO. 163)	5' GTG TGC CAC CTT TGA CGT C 3'	(SEQ. ID NO. 164)	210	CT,CA	60 °C
WMS231	5' AGC TCG GGA TGA AGC GTG 3'	(SEQ. ID NO. 165)	5' GAT CCG CCG CTG CGT TT 3'	(SEQ. ID NO. 166)	190	GAImp	60 °C
WMS232	5' ATC TCA AGC GCA AGC CG 3'	(SEQ. ID NO. 167)	5' CTG ATG CAA GCA ATC CAC C 3'	(SEQ. ID NO. 168)	141	GA	55 °C
WMS233	5' TCA AAA CAT AAA TGT TCA TTG GA 3'	(SEQ. ID NO. 169)	5' TCA ACC GTG TGT AAT TTT GTC C 3'	(SEQ. ID NO. 170)	261	CT	60 °C
WMS234	5' GAG TCC TGA TGT GAA GCT GTT G 3'	(SEQ. ID NO. 171)	5' CTC ATT GGG GTG TGT ACG TD 3'	(SEQ. ID NO. 172)	241	CT,CA	55 °C
WMS237	5' GAA TCA CTT GTG AAG CAT CTG G 3'	(SEQ. ID NO. 173)	5' CTG GAT GCA TCA CAT CCA AC 3'	(SEQ. ID NO. 174)	137	CT	55 °C
WMS238	5' TCG CTT CTA CCG CTC ACC 3'	(SEQ. ID NO. 175)	5' AGT CCC TTG CCG AGG TC 3'	(SEQ. ID NO. 176)	204	CT,GT,GGT	55 °C
WMS241	5' TCT TCC AAC TAA AGC ATA GC 3'	(SEQ. ID NO. 177)	5' CTT CCA TGG ACT ACA TAC TAG C 3'	(SEQ. ID NO. 178)	146	GA	55 °C
WMS242	5' TCC AAG GCA GTA GGC AGG 3'	(SEQ. ID NO. 179)	5' TGT TGT TGG CCT GTA TGC AT 3'	(SEQ. ID NO. 180)	142	GA	60 °C
WMS244	5' GGC AGC TGA GGC AAT CTG 3'	(SEQ. ID NO. 181)	5' TTT GGA CAT TTC CCA GCG 3'	(SEQ. ID NO. 182)	227	CAImp	60 °C
WMS245	5' GAG CCG AGT TAG CTC GC 3'	(SEQ. ID NO. 183)	5' ATC TGT CCA TTC GAG CCG 3'	(SEQ. ID NO. 184)	141	CT	60 °C
WMS247	5' GCA ATC TTT TTT CTG ACC ACG 3'	(SEQ. ID NO. 185)	5' ATG TGC ATG TCG GAC GC 3'	(SEQ. ID NO. 186)	138	GA	60 °C
WMS248	5' AGG ACT TCC GCA CCC TG 3'	(SEQ. ID NO. 187)	5' TGG CGT GGT CTA AAT GGA C 3'	(SEQ. ID NO. 188)	185	CA	60 °C
WMS249	5' CAA ATG GAT CGA GAA AGG GA 3'	(SEQ. ID NO. 189)	5' CTG CCA TT TTT TGG ATC TAC C 3'	(SEQ. ID NO. 190)	177	GAImp	60 °C
WMS251	5' CAA CTG GTT GCT ACA CAA GCA 3'	(SEQ. ID NO. 191)	5' GGG ATG TCT GTT CCA TCT TAG 3'	(SEQ. ID NO. 192)	103	CA	55 °C
WMS255	5' CAA CTG TAC GTA GGT TTC ATT GC 3'	(SEQ. ID NO. 193)	5' TCT GCC GTA AGT CCG CTC 3'	(SEQ. ID NO. 194)	148	GA	55 °C
WMS257	5' AGA GTG CAT GGT GGG AGG 3'	(SEQ. ID NO. 195)	5' CCA AGA CGA TGC TGA AGT CA 3'	(SEQ. ID NO. 196)	192	GT	60 °C
WMS258	5' GAT CCG TTC ATC TCT CTC TCT C 3'	(SEQ. ID NO. 197)	5' GTA CAC GCC GTA GGC CC 3'	(SEQ. ID NO. 198)	>81	CT	60 °C
WMS259	5' AGG GAA AAG ACA TCT TTT TTT TC 3'	(SEQ. ID NO. 199)	5' CGA CCG ACT TCG GGT TC 3'	(SEQ. ID NO. 200)	105	GA	55 °C
WMS260	5' GCC CCC TTG CAC AAA TC 3'	(SEQ. ID NO. 201)	5' CGC AGC TAC AGG AGG CC 3'	(SEQ. ID NO. 202)	137	GA	55 °C
WMS261	5' CTC CCT GTA CCG CTA AGG C 3'	(SEQ. ID NO. 203)	5' CTC GCG CTA CTA OCC ATT G 3'	(SEQ. ID NO. 204)	192	CT	55 °C
WMS263	5' TCT OCC GTA AGT CCG CTC 3'	(SEQ. ID NO. 205)	5' GGT TTC ATT GCT TGC CCT AA 3'	(SEQ. ID NO. 206)	134	CT	55 °C
WMS264	5' GAG AAA CAT CCG GAA CAA CA 3'	(SEQ. ID NO. 207)	5' GCA TGC ATG AGA ATA GGA ACT G 3'	(SEQ. ID NO. 208)	219	CA	60 °C
WMS265	5' TGT TGC GGA TGG TCA CTA TT 3'	(SEQ. ID NO. 209)	5' GAG TAC ACA TTT GGC CTC TGC 3'	(SEQ. ID NO. 210)	200	GT	55 °C
WMS268	5' AGG GGA TAT GTT GTC ACT CCA 3'	(SEQ. ID NO. 211)	5' TTA TGT GAT TGC GTA CGT ACC C 3'	(SEQ. ID NO. 212)	241	GAImp	55 °C
WMS269	5' TGC ATA TAA ACA GTC ACA CAC CC 3'	(SEQ. ID NO. 213)	5' TTT GAG CTC CAA AGT GAG TTA CC 3'	(SEQ. ID NO. 214)	>148	CA	60 °C
WMS271	5' CAA GAT CCG GGA CCC AOC 3'	(SEQ. ID NO. 215)	5' ACC TGC TAG CTT TTG GGA CA 3'	(SEQ. ID NO. 216)	162	CT,GA	60 °C
WMS272	5' TGC TCT TTG GCG AAT ATA TGG 3'	(SEQ. ID NO. 217)	5' GTT CAA AAC AAA TTA AAA GGC CC 3'	(SEQ. ID NO. 218)	140	CA	55 °C

WM5273	5' ATT GGA CGG ACA GAT GCT TT 3'	(SEQ. ID NO. 219)	5' AGC AGT GAG GAA GGG GAT C 3'	(SEQ. ID NO. 220)	55 °C
WM5274	5' AAC TTG CAA AAC TGT TCT OA 3'	(SEQ. ID NO. 221)	5' TAT TTO AAG CGG TTT GAT TT 3'	(SEQ. ID NO. 222)	50 °C
WM5275	5' AAT TTT CTT CTT CAC TTA TTC T 3'	(SEQ. ID NO. 223)	5' AAC AAA AAA TTA GGG CG 3'	(SEQ. ID NO. 224)	50 °C
WM5276	5' ATT TGC CTG AAG AAA ATA TT 3'	(SEQ. ID NO. 225)	5' AAT TTC ACT GCA TAC ACA AO 3'	(SEQ. ID NO. 226)	55 °C
WM5278	5' GTT GCT TCA TGA AGC CTC AA 3'	(SEQ. ID NO. 227)	5' CTG CCC AAT TTT CTC CAC TC 3'	(SEQ. ID NO. 228)	55 °C
WM5281	5' CGG CCA TAT TTC TGT AAG TAT GC 3'	(SEQ. ID NO. 229)	5' GCA GGT AAT GGC CGG AC 3'	(SEQ. ID NO. 230)	60 °C
WM5282	5' TTG GCC GTG TAA GGC AG 3'	(SEQ. ID NO. 231)	5' TCT CAT TCA CAC ACA ACA CTA GC 3'	(SEQ. ID NO. 232)	55 °C
WM5284	5' AAT GAA AAA ACA CTT GCG TGG 3'	(SEQ. ID NO. 233)	5' GCA CAT TTT TCA CTT TCG GD 3'	(SEQ. ID NO. 234)	60 °C
WM5285	5' ATG ACC CTT CTG CCA AAC AC 3'	(SEQ. ID NO. 235)	5' ATC GAC CGG GAT CTA GCC 3'	(SEQ. ID NO. 236)	60 °C
WM5291	5' CAT CCC TAC GGC ACT CTG C 3'	(SEQ. ID NO. 237)	5' AAT GGT ATC TAT TCC GAC CCG 3'	(SEQ. ID NO. 238)	60 °C
WM5292	5' TCA CCG TGG TCA CCG AC 3'	(SEQ. ID NO. 239)	5' CCA CCG AGC CGA TAA TGT AC 3'	(SEQ. ID NO. 240)	60 °C
WM5293	5' TAC TGG TTC ACA TTG GTG CG 3'	(SEQ. ID NO. 241)	5' TCG CCA TCA CTC GTT CAA G 3'	(SEQ. ID NO. 242)	55 °C
WM5294	5' GGA TTG GAG TTA AGA GAG AAC CG 3'	(SEQ. ID NO. 243)	5' GCA GAG TGA TCA ATG CCA GA 3'	(SEQ. ID NO. 244)	55 °C
WM5295	5' GTG AAG CAG ACC CAC AAC AC 3'	(SEQ. ID NO. 245)	5' GAC GGC TGC GAC GTA GAG 3'	(SEQ. ID NO. 246)	60 °C
WM5296	5' AAT TCA ACC TAC CAA TGT CTG 3'	(SEQ. ID NO. 247)	5' GCC TAA TAA ACT GAA AAC GAG 3'	(SEQ. ID NO. 248)	55 °C
WM5297	5' ATC GTC AGG TAT TTT GCA ATG 3'	(SEQ. ID NO. 249)	5' TGC GTA AGT CTA GCA TTT TCT G 3'	(SEQ. ID NO. 250)	55 °C
WM5299	5' ACT ACT TAG GCG TCC CGC C 3'	(SEQ. ID NO. 251)	5' TGA CCC ACT TGC AAT TCA TC 3'	(SEQ. ID NO. 252)	55 °C
WM5301	5' GAG GAG TAA GAC ACA TCC CC 3'	(SEQ. ID NO. 253)	5' CTG GCT GGA GAT TCA GGT TC 3'	(SEQ. ID NO. 254)	55 °C
WM5302	5' GCA AGA AGC AAC AGC AGT AAC 3'	(SEQ. ID NO. 255)	5' CAG ATG CTC TTC TCT GCT GG 3'	(SEQ. ID NO. 256)	60 °C
WM5304	5' AGG AAA CAG AAA TAT CGC GG 3'	(SEQ. ID NO. 257)	5' AGG ACT GTG GGG AAT GAA TG 3'	(SEQ. ID NO. 258)	55 °C
WM5311	5' TCA CGT GGA AGA GCG TCC 3'	(SEQ. ID NO. 259)	5' CTA CGT GCA CCA CCA TTT TG 3'	(SEQ. ID NO. 260)	60 °C
WM5312	5' ATC GCA TGA TGC AGC TAG AG 3'	(SEQ. ID NO. 261)	5' ACA TGC ATG CCT ACC TAA TGG 3'	(SEQ. ID NO. 262)	60 °C
WM5313	5' CCG CCC TCA TTA AGT TTC AC 3'	(SEQ. ID NO. 263)	5' TTT GAC AAG TAC ACG AGT CTG C 3'	(SEQ. ID NO. 264)	55 °C
WM5314	5' AGG AGC TCC TCT GTG CCA C 3'	(SEQ. ID NO. 265)	5' TTC GGG ACT CTC TTC CCG G 3'	(SEQ. ID NO. 266)	55 °C
WM5316	5' CAT GGA CAT TTT ACC ACA AGA C 3'	(SEQ. ID NO. 267)	5' TGC GTG TGG TCC ACC TC 3'	(SEQ. ID NO. 268)	55 °C
WM5319	5' GGT TGC TGT ACA ACT GTT CAC G 3'	(SEQ. ID NO. 269)	5' CCG GTG CTG TGT GTA ATG AC 3'	(SEQ. ID NO. 270)	55 °C
WM5320	5' CGA GAT ACT ATG GAA GGT GAG G 3'	(SEQ. ID NO. 271)	5' ATC TTT GCA ACG AAT GCC C 3'	(SEQ. ID NO. 272)	55 °C
WM5331	5' CAA TTT GGA GAC GGT GTG C 3'	(SEQ. ID NO. 273)	5' TGT TGC ATG CGA TCA TGC 3'	(SEQ. ID NO. 274)	60 °C

WMS322	5' TCA CAA AAT GAT TTC TCA TCC G 3'	(SEQ. ID NO. 275)	5' TGC AGA AAA CCA ACA AGG G 3'	(SEQ. ID NO. 276)	119	GA
WMS325	5' TTT CTT CTG TCG TTC TCT TCC C 3'	(SEQ. ID NO. 277)	5' TTT TTA CCG GTC AAC GAC G 3'	(SEQ. ID NO. 278)	131	CT
WMS328	5' GCA ATC CAC GAG AAG AGA GG 3'	(SEQ. ID NO. 279)	5' CAC AAA CTC TTG ACA TGT GCG 3'	(SEQ. ID NO. 280)	193	GT
WMS330	5' TTG CTA TCC ATG TGC CAG AG 3'	(SEQ. ID NO. 281)	5' ACA TGT TTC ATG CAG GTA GCC 3'	(SEQ. ID NO. 282)	165	GT
WMS332	5' AGC CAG CAA GTC ACC AAA AC 3'	(SEQ. ID NO. 283)	5' AGT GCT GGA AAG AGT AGT GAA CC 3'	(SEQ. ID NO. 284)	231	GA
WMS333	5' GCC CGG TCA TGT AAA ACG 3'	(SEQ. ID NO. 285)	5' TTT CAG TTT CCG TTA ACG TTT G 3'	(SEQ. ID NO. 286)	190	GA
WMS334	5' AAT TTC AAA AAG GAG AGA GA 3'	(SEQ. ID NO. 287)	5' AAC ATG TGT TTT TAG CTA TC 3'	(SEQ. ID NO. 288)	123	GA
WMS335	5' GGT ACT CCA CTC CAC ACG G 3'	(SEQ. ID NO. 289)	5' CGG TCC AAT TGC TAC CTT TC 3'	(SEQ. ID NO. 290)	187 (225)	GA, GCGT
WMS336	5' CCG TTT AAT CTC GCT CCC TC 3'	(SEQ. ID NO. 291)	5' GTC TCT TTC TCG TAC TTC CAG G 3'	(SEQ. ID NO. 292)	108	CT
WMS337	5' CCG TTT AAT CTC GCT CCC TC 3'	(SEQ. ID NO. 293)	5' TGC TAA CTG GCC TTT GCC 3'	(SEQ. ID NO. 294)	183	CT, CACT, CA
WMS339	5' AAT TTT CTT CCG TCA CTT AGC 3'	(SEQ. ID NO. 295)	5' AAA CCA ACA ACC ACT CAA TC 3'	(SEQ. ID NO. 296)	139	CT
WMS340	5' AAT TTT CTT CCG TCA CTT AGC 3'	(SEQ. ID NO. 297)	5' ACG ACG CAA GAA CAC ACA TG 3'	(SEQ. ID NO. 298)	132	CA
WMS341	5' GCA ATC TTT TTT CTG ACC ACG 3'	(SEQ. ID NO. 299)	5' CCG ACA TCT CAT GGA TCC AC 3'	(SEQ. ID NO. 300)	133 (150)	CT
WMS342	5' TTC AGT GGT AGC GGT CGA G 3'	(SEQ. ID NO. 301)	5' GGT CTA GCT TCG ACG ACA CC 3'	(SEQ. ID NO. 302)	169	GT
WMS344	5' TAT CCA GAG CAG ACG GAC G 3'	(SEQ. ID NO. 303)	5' ATT TGA GTC TGA AGT TTG CA 3'	(SEQ. ID NO. 304)	131	GT
WMS346	5' CAA GGA AAT AGG CGG TAA CT 3'	(SEQ. ID NO. 305)	5' GCA TGT GGT CCA TGT ACT GC 3'	(SEQ. ID NO. 306)	203	AT, GT
WMS349	5' CAA GCA ACG TTT CGT TTT ATC C 3'	(SEQ. ID NO. 307)	5' ATC GGT CCG TAC CAT CCG AC 3'	(SEQ. ID NO. 308)	230	GA
WMS350	5' ACC TCA TCC ACA TGT TCT ACG 3'	(SEQ. ID NO. 309)	5' GCA TGG ATA GGA CCC CC 3'	(SEQ. ID NO. 310)	146	GT
WMS353	5' CCA TGT TGA GTA GGT TCA GCC 3'	(SEQ. ID NO. 311)	5' CTT GGC CAG AAG CTA CCA AC 3'	(SEQ. ID NO. 312)	179	GCGT, GT
WMS356	5' AGC GTT CTT GGG AAT TAG AG 3'	(SEQ. ID NO. 313)	5' CCA ATC AGC CTG CAA CAA C 3'	(SEQ. ID NO. 314)	224	GA
WMS357	5' TAT GGT CAA AGT TGG ACC TCG 3'	(SEQ. ID NO. 315)	5' AGG CTG CAG CTC TTC TTC AG 3'	(SEQ. ID NO. 316)	123	GA
WMS358	5' AAA CAG CCG ATT TCA TCG AG 3'	(SEQ. ID NO. 317)	5' TCC GCT GTT GTT CTG ATC TC 3'	(SEQ. ID NO. 318)	164	GAlimp
WMS359	5' CTA ATT CCA ACA GGT CAT GGG 3'	(SEQ. ID NO. 319)	5' TAC TTG TGT TCT GGG ACA ATG G 3'	(SEQ. ID NO. 320)	217	CT, CTTimp
WMS361	5' GTA ACT TGT TGC CAA AGG GG 3'	(SEQ. ID NO. 321)	5' ACA AAG TGG CAA AAG GAG ACA 3'	(SEQ. ID NO. 322)	126	GAlimp
WMS368	5' CCA TTT CAC CTA ATG CCG C 3'	(SEQ. ID NO. 323)	5' AAT AAA ACC ATG AGC TCA CTT GC 3'	(SEQ. ID NO. 324)	249	AT
WMS369	5' CTG CAG GCC ATG ATG ATG 3'	(SEQ. ID NO. 325)	5' ACC GTG GGT GTT GTG AGC 3'	(SEQ. ID NO. 326)	188	CTimp
WMS371	5' GAC CAA GAT ATT CAA ACT GGC C 3'	(SEQ. ID NO. 327)	5' AGC TCA GGT TGC TTG GTA CC 3'	(SEQ. ID NO. 328)	170	CA, GA
WMS372	5' AAT AGA GGC CTG GGA CTG GG 3'	(SEQ. ID NO. 329)	5' GAA GGA CCA CAT TCC ACC TG 3'	(SEQ. ID NO. 330)	>329	GA



WMS374	5' ATA GTG TGT TGC ATG CTG TGT GJ' (SEQ. ID NO. 331)	5' TCT AAT TAG CGT TGT TGT CCJ'	(SEQ. ID NO. 332)	213	GT	60 °C
WMS375	5' ATT GGC GAC TCT AGC ATA TAC GJ' (SEQ. ID NO. 333)	5' GGG ATG TCT GTT CCA TCT TAG CJ'	(SEQ. ID NO. 334)	156	CA	55 °C
WMS376	5' GGG CTA GAA AAC AGG AAG GCJ' (SEQ. ID NO. 335)	5' TCT CCC GGA GGG TAG GAG J'	(SEQ. ID NO. 336)	147	CA, GAlimp	60 °C
WMS381	5' GTC AGA TAA CCG CGT CCA AT J' (SEQ. ID NO. 337)	5' CTA CGT CCA CCA CCA TTT TG J'	(SEQ. ID NO. 338)	115	GA	60 °C
WMS381	5' ACC CCA GTT GAT CCG TAA ACJ' (SEQ. ID NO. 339)	5' GAC ATC AAT AAC CGT GGA TGG J'	(SEQ. ID NO. 340)	195	GT	55 °C
WMS384	5' TTT TCA TTG TGC CCT CTA CT J' (SEQ. ID NO. 341)	5' GCC AAG TTT CTT AGC TAG TTA AJ'	(SEQ. ID NO. 342)	204	GTimp	60 °C
WMS388	5' CTA CAA TTC GAA GGA GAG GGG J' (SEQ. ID NO. 343)	5' CAC CGC GTC AAC TAC TTA AGCJ'	(SEQ. ID NO. 344)	162	CT,CA,CA	60 °C
WMS389	5' ATC ATG TCG ATC TCC TTG AGJ' (SEQ. ID NO. 345)	5' TGC CAT GCA CAT TAG CAG AT J'	(SEQ. ID NO. 346)	130	CT,GT	55 °C
WMS390	5' AAG TTT CAC ACA AGA TCT CTC CJ' (SEQ. ID NO. 347)	5' TGA CAA GTA CAC GAG TCT CCJ'	(SEQ. ID NO. 348)	143	CT,GT	55 °C
WMS391	5' ATA GCG AAG TCT CCC TAC TCC AJ' (SEQ. ID NO. 349)	5' ATG TGC ATG TCG GAC CCJ'	(SEQ. ID NO. 350)	150	CA,GA	55 °C
WMS393	5' TCA TCT GCT ATT TGT GCT ACA J' (SEQ. ID NO. 351)	5' TCA AAT ACA CCA ATG TGC CJ'	(SEQ. ID NO. 352)	107	CA	60 °C
WMS395	5' TAC AAC CGC AAG TAA TGC CAJ' (SEQ. ID NO. 353)	5' TAC CAA CAC CCT AGC GCT TG J'	(SEQ. ID NO. 354)	147	CA	55 °C
WMS397	5' TGT CAT GGA TTA TTT GGT CGG J' (SEQ. ID NO. 355)	5' CTG CAC TCT CGT TAT ACC AGCJ'	(SEQ. ID NO. 356)	179	CT	60 °C
WMS400	5' CTG CTG CCA CCA CTT GC J' (SEQ. ID NO. 357)	5' TGT AGG CAC TGC TTG GGA GJ'	(SEQ. ID NO. 358)	139	CA	55 °C
WMS403	5' CGA CAT TGG CTT CGG TG J' (SEQ. ID NO. 359)	5' ATA AAA CAG TGC GGT CCA GGJ'	(SEQ. ID NO. 360)	133	CA	55 °C
WMS408	5' TCG ATT TAT TTG GGC CAC TG J' (SEQ. ID NO. 361)	5' GTA TAA TTC GTT CAC AGC AGC CJ'	(SEQ. ID NO. 362)	176	CA	55 °C
WMS410	5' CCC ATA CGA TGA TGT GTT TCC J' (SEQ. ID NO. 363)	5' CGA GAC CTT GAG GGT CTA GA J'	(SEQ. ID NO. 364)	334	CA	55 °C
WMS411	5' ATC AAC AAG GTT TGT GTG TTG GJ' (SEQ. ID NO. 365)	5' CAA ACG GAA CAT GGT CCC J'	(SEQ. ID NO. 366)	148	CT	55 °C
WMS412	5' TGC TTG TCT AGA TTG CTT GGG J' (SEQ. ID NO. 367)	5' ATG AAA CCG GAC CTC CCJ'	(SEQ. ID NO. 368)	121	GA	60 °C
WMS413	5' GAT CTC CCA TGT CCG CCJ' (SEQ. ID NO. 369)	5' GAT CGT CTC GTC CTT GGC AJ'	(SEQ. ID NO. 370)	94	GA	55 °C
WMS415	5' GAG CCC ACA AGC TGG CAJ' (SEQ. ID NO. 371)	5' CGA CAG TCG TCA CTT GGC TA J'	(SEQ. ID NO. 372)	133	GAimp	60 °C
WMS423	5' AAA CTT AGA ACT GTA ATT TCA GA J' (SEQ. ID NO. 373)	5' TCG TTC TCC CAA GGC TTG J'	(SEQ. ID NO. 374)	143	CT	50 °C
WMS427	5' TTD TAC ATT AAG TTC CCA TTAJ' (SEQ. ID NO. 375)	5' AAT GTG TTC ATT TGA CAG TT J'	(SEQ. ID NO. 376)	215	CA	60 °C
WMS428	5' ATG AGT TCC GCC AAA GAA TG J' (SEQ. ID NO. 377)	5' TTC TCC ACT AGC CCC GCJ'	(SEQ. ID NO. 378)	143	GA	50 °C
WMS434	5' GAT CAA GAC TTT TGT ATC TCT CJ' (SEQ. ID NO. 381)	5' TTT AAG GAC CTA CAT GAC ACJ'	(SEQ. ID NO. 380)	221 (200)	CT	55 °C
WMS437	5' OCT ATG GTC TCC ATC ATG AGG J' (SEQ. ID NO. 383)	5' ACC AAA TAC ACA AGT GGG ACA J'	(SEQ. ID NO. 382)	216	GT	50 °C
WMS440		5' GAT GTC CAA CAG TTA GCT TA J'	(SEQ. ID NO. 384)	109	CT	55 °C
		5' TCA TGT CAA CTC AAG AAC ACG J'	(SEQ. ID NO. 386)	112	CT	55 °C

WMS443	5' GGG ICT TCA TCC GGA ACT CT 3' (SEQ. ID NO. 387)	5' CCA TGA TTT ATA AAT TCC ACC 3' (SEQ. ID NO. 388)	134	CA, GA	55 °C
WMS445	5' TTT GTT GGG GGT TAO GAT TAG 3' (SEQ. ID NO. 389)	5' CCT TAA CAC TTG CTG GTA GTG A 3' (SEQ. ID NO. 390)	192	CT	55 °C
WMS448	5' AAA CCA TAT TGG GAG GAA AGG 3' (SEQ. ID NO. 391)	5' CAC ATG GCA TCA CAT TTG TG 3' (SEQ. ID NO. 392)	231	GA	60 °C
WMS455	5' ATT GGG TTC GCT AGC TAC CA 3' (SEQ. ID NO. 393)	5' ACC GAG AGC AAC CTG CC 3' (SEQ. ID NO. 394)	151	GTImp	55 °C
WMS456	5' TCT GAA CAT TAC ACA ACC CTG A 3' (SEQ. ID NO. 395)	5' TCC TCT CTC TGA ACC TGA ACC 3' (SEQ. ID NO. 396)	132	GA	55 °C
WMS458	5' AAT GGC AAT TGG AAG ACA TAG C 3' (SEQ. ID NO. 397)	5' TTC GCA ATG TTG ATT TGG C 3' (SEQ. ID NO. 398)	113	CA	60 °C
WMS459	5' ATG DAG TGG TCA CAC TTT GAA 3' (SEQ. ID NO. 399)	5' AGC TTC TCT GAC CAA CTT CTC G 3' (SEQ. ID NO. 400)	>138	GA	55 °C
WMS469	5' CAA CTC AGT GCT CAC ACA AGC 3' (SEQ. ID NO. 401)	5' CGA TAA CCA CTC ATC CAC ACC 3' (SEQ. ID NO. 402)	>156	CT	60 °C
WMS471	5' GGG CCC TAT CAT GGC TG 3' (SEQ. ID NO. 403)	5' GCT TGC AAG TTC CAT TTT GC 3' (SEQ. ID NO. 404)	149	CA	60 °C
WMS473	5' TCA TAC GGG TAT GGT TGG AC 3' (SEQ. ID NO. 405)	5' CAC CCG CTT GTT GGT CAC 3' (SEQ. ID NO. 406)	220	GTImp	55 °C
WMS476	5' ATG GGT TCG TAC TAA CAT CAG C 3' (SEQ. ID NO. 407)	5' TTG CTG GTA GCT TCA ATC CC 3' (SEQ. ID NO. 408)	>194	GAImp	60 °C
WMS480	5' TCG TGC TAC TTG TAC AGA GGA C 3' (SEQ. ID NO. 409)	5' CCG AAT TGT CCG CCA TAG 3' (SEQ. ID NO. 410)	188	CT, CA	60 °C
WMS484	5' ACA TCG CTC TTC ACA AAC CC 3' (SEQ. ID NO. 411)	5' AGT TCC GGT CAT GGC TAG G 3' (SEQ. ID NO. 412)	145	CT	55 °C
WMS494	5' ATT GAA CAG GAA GAC ATC AGG G 3' (SEQ. ID NO. 413)	5' TTC CTG GAG CTG TCT GGC 3' (SEQ. ID NO. 414)	198	CA	60 °C
WMS495	5' GAG AGC CTC GCG AAA TAT ACG 3' (SEQ. ID NO. 415)	5' TGC TTC TGG TGT TCC TTC G 3' (SEQ. ID NO. 416)	168	GA	55 °C
WMS497	5' GTA GTG AAG ACA AGG GCA TT 3' (SEQ. ID NO. 417)	5' CCG AAA GTT GGG TGA TAT AC 3' (SEQ. ID NO. 418)	>106	GTImp	60 °C
WMS499	5' ACT TGT ATG CTC CAT TGA TTG G 3' (SEQ. ID NO. 419)	5' GGG DAG TGG AAA CTG CAT AA 3' (SEQ. ID NO. 420)	145	GA	60 °C
WMS501	5' GGC TAT CTC TGG CCG TAA AA 3' (SEQ. ID NO. 421)	5' TCC ACA AAC AAG TAG CCG C 3' (SEQ. ID NO. 422)	172	CA	60 °C
WMS512	5' AGC CAC CAT CAG CAA AAA TT 3' (SEQ. ID NO. 423)	5' GAA CAT GAG CAG TTT GGC AC 3' (SEQ. ID NO. 424)	185	GT	60 °C
WMS513	5' ATC CGT AGC ACC TAC TGG TCA 3' (SEQ. ID NO. 425)	5' GGT CTG TTC ATG CCA CAT TG 3' (SEQ. ID NO. 426)	144	CA	60 °C
WMS515	5' AAC ACA ATG OCA AAT OCA GA 3' (SEQ. ID NO. 427)	5' CCT TCC TAG TAA GTG TGC CTC A 3' (SEQ. ID NO. 428)	134	GTImp	60 °C
WMS518	5' AAT CAC AAC AAG GCG TGA CA 3' (SEQ. ID NO. 429)	5' CAG GGT GGT GCA TGC AT 3' (SEQ. ID NO. 430)	166	CA	55 °C
WMS530	5' AAA TAG GAC AAG CCA CCG C 3' (SEQ. ID NO. 431)	5' TCA ACT TCT TGG CCT CCA TC 3' (SEQ. ID NO. 432)	186	CT	55 °C
WMS532	5' ACT GCG TGT GCC TAC AAT TG 3' (SEQ. ID NO. 433)	5' TCA CTC CCA CTC GAT AGG C 3' (SEQ. ID NO. 434)	142	GT	60 °C
WMS533	5' AAG GCG AAT CAA ACG GAA TA 3' (SEQ. ID NO. 435)	5' GTT GCT TTA GGG GAA AAG CC 3' (SEQ. ID NO. 436)	147	CT, CA	60 °C
WMS537	5' ACA TAA TCG TTC CTG TGC ACC 3' (SEQ. ID NO. 437)	5' GGC ACT TTT GTG TCG TTC CT 3' (SEQ. ID NO. 438)	209	CA, TA	60 °C
WMS538	5' GCA TTT CCG GTG AAC CC 3' (SEQ. ID NO. 439)	5' GTT GCA TGT ATA CGT TAA GCG G 3' (SEQ. ID NO. 440)	147	GTImp	60 °C
WMS540	5' TCT CCG TGT GAA ATC CTA TTT C 3' (SEQ. ID NO. 441)	5' AGG CAT GGA TAG AGG GCG 3' (SEQ. ID NO. 442)	129	CTImp	55 °C

WMS544	5' TAG AAT TCT TTA TGG GGT CTG C 3' (SEQ. ID NO. 443)	5' AGG AIT CCA ATC CTT CAA AAT T 3' (SEQ. ID NO. 444)	167	CT, ATCT, CT	55 °C
WMS550	5' CCC ACA AGA ACC TTT GAA GA 3' (SEQ. ID NO. 445)	5' CAT TGT GTG TGC AAG GCA C 3' (SEQ. ID NO. 446)	169	CT, GT	55 °C
WMS554	5' TGC CCA CAA CGG AAC TTG 3' (SEQ. ID NO. 447)	5' GCA ACC ACC AAG CAC AAA GT 3' (SEQ. ID NO. 448)	170	CT, GT, Tmp	60 °C
WMS565	5' GCG TCA GAT ATG CCT ACC TAG G 3' (SEQ. ID NO. 449)	5' AGT GAG TTA GCC CTG AGC CA 3' (SEQ. ID NO. 450)	142	CA	60 °C
WMS566	5' TCT CTC TAC CCA TGG GAT TTG 3' (SEQ. ID NO. 451)	5' CTG GCT TCG AGG TAA GCA AC 3' (SEQ. ID NO. 452)	130	CA, TA	60 °C
WMS569	5' GGA AAC TTA TTG ATT GAA AT 3' (SEQ. ID NO. 453)	5' TCA ATT TTG ACA GAA GAA TT 3' (SEQ. ID NO. 454)	134	GT	47 °C
WMS570	5' TCG CCT TTT ACA GTC GGC 3' (SEQ. ID NO. 455)	5' ATG GGT AGC TGA GAG CCA AA 3' (SEQ. ID NO. 456)	143	CT, GT	60 °C
WMS573	5' AAG AGA TAA CAT GCA AGA AA 3' (SEQ. ID NO. 457)	5' TTC AAA TAT GTG GGA ACT AC 3' (SEQ. ID NO. 458)	212	CA	50 °C
WMS577	5' ATG GCA TAA TTT GGT GAA ATT G 3' (SEQ. ID NO. 459)	5' TGT TTC AAG CCC AAC TTC TAT T 3' (SEQ. ID NO. 460)	133	CA, TA	55 °C
WMS582	5' AAG CAC TAC CAA AAT ATG AC 3' (SEQ. ID NO. 461)	5' TCT TAA GGG GTG TTA TCA TA 3' (SEQ. ID NO. 462)	151	CA	50 °C
WMS583	5' TTC ACA CCC AAC CAA TAG CA 3' (SEQ. ID NO. 463)	5' TCT AGG CAG ACA CAT GCC TG 3' (SEQ. ID NO. 464)	165	CA	60 °C
WMS586	5' DAT CCC CAA TTG CAT GTT G 3' (SEQ. ID NO. 465)	5' CTT GCA ACT GGG GGA CAC 3' (SEQ. ID NO. 466)	102	GT	60 °C

\*CS\* Weizensoria 'Chinese Spring'